



*The CSTP Steward—industry putting sustainability into Practice*

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Company Spotlight: Cytec Industries, Inc.

#### **Commitment to Our Global Customers**

Headquartered in West Paterson, New Jersey, Cytec Industries Inc. is a global specialty chemicals and materials company whose corporate vision emphasizes Customer Focus, Superior Technology, Operational Excellence and Employee Commitment. Cytec employs approximately 6,800 people worldwide, and maintains 37 manufacturing facilities and four research and development centers. Our products serve a diverse range of end markets including aerospace, adhesives, automotive and industrial coatings, chemical intermediates, inks, mining and plastics.

#### **Our Guiding Principles**

Cytec is committed to continuously improving our safety, health and environmental stewardship and the responsible management of chemicals. In fact, we're implementing an externally certified environmental, health and safety management system, on a global basis at all our manufacturing facilities by the

end of 2009. Sustainability is part of this commitment and is consistent with Cytec's approach. In addition, we are a global leader in a number of our product lines with environmentally friendly products and technology, including our radiation curing coating products, our low weight carbon fiber engineered materials, and our waterborne resins systems.

### **What does this mean to Cytec?**

For Cytec, sustainability is simply living our values in a changing world. It is about:

- innovative and environmentally sustainable products that compete in a global economy.
- achieving the highest standards of safety, health and environmental stewardship.
- being responsible to our customers, our employees and our shareholders.

We strive to develop environmentally sustainable products that meet the needs of our customers. Consideration is given to safety, health and environmental impacts early in the new product development process. In order to efficiently manage all critical elements of new product development, Cytec established a process called the Cytec Innovation Management System (CIMS), a comprehensive tool used by our R&D, Marketing, Legal, Manufacturing and Safety, Health and Environment functions to manage projects from the idea generation stage through development to commercialization. Several tools are built into CIMS, including the EPA Sustainable Futures Model, Cytec's Solvent Selection Guide and other modeling tools. The EPA models are used as screening tools to drive commercialization of greener, safer, more environmentally friendly products. In 2008, we have partnered with a leading Green Chemistry Institute, and are incorporating the 12 principles of green chemistry into our new product development process.

Through our sustainability goals, we continue to improve safety for our employees, customers and stakeholders and to focus on key environmental areas of emissions and waste, energy and climate change and the environmental impact of our materials and products in production, distribution and end use. To focus on reducing global Greenhouse Gases, Cytec is a member of the EPA Climate Leader program.

For more information, please visit [www.cytec.com](http://www.cytec.com)

### **Update: Pursuit of Best Practice Objective:**

CSTP's has adopted the objective to Identify and Develop Best Practices that drive Sustainability and support the Sustainability Guide. Where "Best Practice" is defined as: a technique or methodology that, through experience and research,

has proven to reliably lead to a desired result. To support this objective, the following goal was adopted for 2008:

*CSTP will identify/develop 10 Best Practices to drive Sustainability and track usage by partner companies by year end.*

Accomplishing this goal will require partner companies to identify Best Practices that they currently utilize that align to the categories taken from the Sustainability Guide.

The following list of Best Practices relative to Sustainability Guide categories is provided for example only.

#### Strategic Considerations

- Utilization of GEMI – SD Planner
- Reporting via Global Reporting Initiative (GRE)

#### Management Considerations

- Adoption of Responsible Care®
- Utilization of a Project Methodology that requires the usage of Value Improving Practices (VIPs) i.e. Energy Optimization, Waste Elimination

#### Resource Usage

- Practices pertaining to Resource conservation
- Adoption of specific Green Chemistry or Sustainability Chemistry Practices
- The pursuit of By-product synergy opportunities

#### Human Health Impact

- Adoption of Safety Practices and Metrics

#### Environmental Impact

- Performance of Life Cycle Analysis

#### Societal Impact

- Practices that ensure Community Success

#### Economical Impact

- Usage of Total Cost Assessment

If you believe that your company is using Best Practices that support Sustainability, then please contact your local CSTP representative to discuss sharing their usage appropriately to help build our CSTP Best Practices library.

As its use expands, the potential also exists to utilize the AICHE Sustainability Index to identify those companies performing Best in Class, and in turn to identify and leverage those Best Practices that contribute positively to their Sustainability Journey.

Contact your CSTP representatives should you have any questions.

### **Sustainability Exchange Calendar**

CSTP Sustainability Exchanges provide concise, easily accessible sustainability information to member companies on a monthly basis. The most recent CSTP Exchanged covered individual activities and supply chain issues.

April featured Stephanie Baker discussing supply chain issues and Scorecards that are affecting packaging. With driving forces from Walmart to reduce packaging usage, their benchmarking activity driving companies to ask “how can I tell if one option is greener or more sustainable than another?”

In May, Robert Sylvester of DuPont, discussed individual choices one can make for becoming more energy efficient. While working on energy efficiency for DuPont, Robert has also developed a personal benchmark for reducing his own energy footprint, giving excellent examples of how to put into practice sustainability in our own decision making processes.

In June, Beth Beloff and **Ron Smith** of the Tagos Group presented current thinking on greening of supply chains and associated benchmarks and possible certifications activities that could impact the chemical companies businesses on defining how green is green.

Mark your Calendar—2nd Tuesday of Each Month. 10 -10:30 AM ET.

	For updates go to : <a href="http://www.aiche.org/IFS/Corporate/Education.aspx">http://www.aiche.org/IFS/Corporate/Education.aspx</a>
07/08/2008	Topic: The CSTP Sustainability Guide Presenter: Carol English, Cytec
08/12/2008	Topic: Climate Change Initiatives Presenter: National Council for Science and the Environment
09/09/2008	Topic: 9 International Fiscal Perspectives on Sustainability Presenter: World Bank International Finance Corporation
10/14/2008	Topic: Applying for the 2009 EPA Presidential Green Chemistry Award Presenter: Rich Engler, EPA
11/11/2008	Topic: NRDC Overview

## **Upcoming Industry Relevant Sustainability Meetings**

### *UPCOMING CSTP EVENTS:*

August 20. 10 am to 3 pm. Air Products, Allentown, PA

CSTP meeting—focus on Sustainability tools project and business meeting.

October 28, 6 pm. AIChE/ACS North Jersey Meeting. Russian Hall. CSTP Guidelines.

Wednesday November 19, AIChE Philadelphia, PA

SEF luncheon (sponsored by the Pharma Sustainability Topical)  
12 noon to 1 pm

Inaugural AIChE Sustainability Index (SM) Roundtable  
2 pm to 4 pm

Annual CSTP face to face meeting and CSTP dinner  
4: 30 pm to 7 pm

Friday November 20, AIChE Philadelphia, PA  
Total Cost Assessment Workshop (all day) and  
TCA Users Group (9 am to 10 am)

Start Making Plans for 2009

Spring 2009: ASME Industrial Water Workshop. National Academies. Invitations available to CSTP members Contact [darls@aiche.org](mailto:darls@aiche.org)

July 29, 2009: AIME Global Workshop on Sustainable Energy, Switzerland

August 9-12, Cincinnati, Ohio; 1<sup>st</sup> International Industry Sustainability Congress, contact [ifs@aiche.org](mailto:ifs@aiche.org) for additional information.

## **Key Contacts and Member News**

Air Products has just released its 2008 Sustainability Report. Go to <http://www.airproducts.com/Responsibility/2008AnnualReport.htm.htm>

Shell has released its 2007 Sustainability report earlier this year. Go to <http://sustainabilityreport.shell.com/2007/servicepages/welcome.html>

Sustainable Engineering Forum Excellence in Sustainability Research Award.

CSTP members are encouraged to apply by August 1, 2008 at:

<http://www.aiche.org/About/Awards/Divisions/SEFExcellenceAward.aspx>

***Recent mentions of CSTP Work:***

April, 2008. CSTP members Gustashaw, English, de La Haye featured at the AIChE/ACS Workshop on Overcoming Barriers to Sustainability in the Chemical Enterprise, New Orleans, LA. .

June 11/12, 2008 Texas Chemical Council EHS Seminar, Galveston, TX. CSTP Benchmarks and Roadmaps in the Chemical Industry, D. Schuster.

June 24, 2008, Green Chemistry and Engineering Conference, Washington DC. CSTP Sustainability Guide, C. English.

July 2, 2008. United Nations Technology Program. Sustainability Guide and Industry Leadership in Sustainability, NYC, Dale Keairns, President AIChE

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